

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization
International Bureau**



**(43) International Publication Date
22 March 2001 (22.03.2001)**

PCT

**(10) International Publication Number
WO 01/19182 A1**

(51) International Patent Classification⁷: A01K 67/02
67/027, A61K 48/00, C12N 5/16, 5/05, 5/08

4) Agents: PARK, A., J. et al.; 6th Floor, Huddart Parker Building, Post Office Square, P.O. Box 949, Wellington 6015 (NZ).

(21) International Application Number: PCT/NZ00/00129

(81) **Designated States (national):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(22) International Filing Date:

Published:
— *With international search report.*

(71) Applicant and
(72) Inventor: WELLS, David [NZ/NZ]; 52 Enderley Avenue,
Hawthorn (NZ)

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

卷之三

WO 01/19182 A1

(54) Title: NUCLEAR TRANSFER WITH SELECTED DONOR CELLS

(57) Abstract: The present invention provides a method of nuclear transfer by selecting and segregating G1 cells from a donor cell population. This method is advantageous over the prior art as it provides certainty as to the stage of the cell cycle which the donor nuclei are in and allows for the production of cloned transgenic or non-transgenic embryonic cells, reconstituted embryos and whole animals for agricultural, pharmaceutical, nutraceutical and biomedical applications.